



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 184139

**TO: Patrick S Riggins
Location: REM-2D60&2C70
Art Unit: 1633
Monday, April 10, 2006
Case Serial Number: 10/500173**

**From: Toby Port
Location: Biotech-Chem Library
REM-1A59
Phone: 571-272-2523
toby.port@uspto.gov**

Search Notes

Examiner Riggins,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

**Toby Port
X22523**

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:10:27 ; Search time 344.814 Seconds
(without alignments)
6758.955 Million cell updates/sec

Title: US-10-500-173-1
Perfect score: 41
Sequence: 1 gaacaatgacacacacgc.....cccaatacaggcctgac 41

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_in:*
3: gb_env:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pr:*
9: gb_ro:*
10: gb_sts:*
11: gb_sy:*
12: gb_un:*
13: gb_vi:*
14: gb_htg:*
15: gb_pl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	41	100.0	41	6	BD181246 Cell spec
2	41	100.0	41	6	BD182147 Cell spec
3	41	100.0	260	6	BD182147 Cell spec
4	41	100.0	260	6	BD182148 Cell spec
5	41	100.0	314	8	BD182148 Cell spec
6	41	100.0	333	6	BD181248 Cell spec
7	41	100.0	333	6	BD182149 Cell spec
8	41	100.0	1221	8	BD5611 Human smoot
9	41	100.0	142645	8	AC008481 Homo sapi
10	41	100.0	178488	14	AC151856 Papio ham
11	41	100.0	224294	14	AC151861 Colobus g
12	39.4	96.1	163264	14	AC151891 Callicebu
13	39.4	96.1	181714	14	AC151893 Aotus nan
14	39.4	96.1	186803	14	AC151868 Callichri
15	39.4	96.1	199562	14	AC163457 Bos tauru
16	39.4	96.1	250810	14	AC151886 Saimiri b
17	37.8	92.2	236017	14	AC150437 Lemur cat
18	36.2	88.3	485	9	AF123368 Rattus no

19	36.2	88.3	1216	9	MMCALP01 Mus musculu	
20	36.2	88.3	3001	9	MMU37071 Mus musculu	
21	36.2	88.3	10373	9	MUSHICA Mus musculu	
22	36.2	88.3	174533	14	AC073718 Mus muscu	
23	36.2	88.3	178594	14	AC144892 Didelphis	
c	24	36.2	88.3	194267	14	AC163623 Mus muscu
c	25	36.2	88.3	195294	14	AC051623 Mus muscu
c	26	36.2	88.3	201371	14	AC073786 Mus muscu
c	27	36.2	88.3	235685	14	AC084744 Mus muscu
c	28	36.2	88.3	245942	14	AC132792 Rattus no
c	29	34.6	84.4	207823	14	AC145542 Oryctolag
c	30	25.6	62.4	230705	14	AC130996 Rattus no
c	31	24.2	59.0	171632	8	AC110760 Homo sapi
c	32	24.2	59.0	220801	9	AC124604 Mus muscu
c	33	24	58.5	263827	14	AC095809 Rattus no
c	34	23.6	57.6	110000	1	BAQ00031.19 Continuation (20 o
c	35	23.6	57.6	133128	5	BK2776083 Zebrafish
c	36	23.6	57.6	149630	14	CP628386 Danio rer
37	23.6	57.6	153943	14	AC027417 Homo sapi	
38	23.6	57.6	157544	8	AC098590 Homo sapi	
c	39	23.6	57.6	170143	14	AC048384 Homo sapi
40	23.2	56.6	58259	14	AC148218 Medicago	
c	41	23.2	56.6	209156	14	AC114696 Rattus no
c	42	23.2	56.6	214942	9	AC125214 Mus muscu
c	43	23.2	56.6	227767	14	AC18766 Rattus no
c	44	23.2	56.6	228506	14	AC111714 Rattus no
c	45	23	56.1	9990	1	AE002243 Chlamydom

ALIGNMENTS

RESULT 1
BD181246
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

BD181246
Cell specific express replication vector.
BD181246
BD181246.1 GI:30792164
JP 2002335965-A/1.
Homo sapiens (human)
Homo sapiens
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
1 (bases 1 to 41)
Takahashi, K., Yamamura, H. and Miyatake, S.
Cell specific express replication vector
Patent: JP 2002335965-A 1 26-NOV-2002;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Homo sapiens (human)
PN JP 2002335965-A/1
PD 26-NOV-2002
PF 14-MAY-2001 JP 2001143999
PI KATSUHIRO TAKAHASHI, HISAKO YAMAMURA, SHINICHI MIYATAKE PC
C12N15/09, A61K35/76, A61K48/00, A61P35/00, C12N5/10, C12N15/00, PC
C12N5/00
CC Cell specific express replication vector
FT Key Location/Qualifiers
FT source 1..41
FT /organism='Homo sapiens (human)'.
Location/Qualifiers
1..41
/organism='Homo sapiens'
/mol_type='genomic DNA'
/db_xref='taxon:9606'

Query Match 100.0%; Score 41; DB 6; Length 41;
Best Local Similarity 100.0%; Pred. NO. 7.7e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAACAATGACACATCAGCTCCCAATACCAAGGCGCTGAC 41
|||||

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:04:37 ; Search time 59.4306 Seconds
(without alignments)
4597.840 Million cell updates/sec

Title: US-10-500-173-1
Perfect score: 41
Sequence: 1 gaaacaatgacacaatcagc.....cccaatacaggccgtgac 41

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : N_Geneseq_21.*

- 1: Geneseq1980s.*
- 2: Geneseq1990s.*
- 3: Geneseq2000s.*
- 4: Geneseq2001as.*
- 5: Geneseq2001bs.*
- 6: Geneseq2002as.*
- 7: Geneseq2002bs.*
- 8: Geneseq2003as.*
- 9: Geneseq2003bs.*
- 10: Geneseq2003cs.*
- 11: Geneseq2003ds.*
- 12: Geneseq2004as.*
- 13: Geneseq2004bs.*
- 14: Geneseq2005s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	41	100.0	41	10	ADC21270	Adc21270 Human cng
2	41	100.0	41	10	ADD68309	Add68309 Human ang
3	41	100.0	41	10	ADD29393	Add29393 Antiarter
4	41	100.0	41	10	ABZ70044	Abz70044 Oligonuc1
5	41	100.0	260	10	ADC21271	Adc21271 Human csl
6	41	100.0	260	10	ADD68310	Add68310 Human ang
7	41	100.0	260	10	ADD29394	Add29394 Antiarter
8	41	100.0	260	10	ABZ70045	Abz70045 Oligonuc1
9	41	100.0	333	10	ADC21272	Adc21272 Human cal
10	41	100.0	333	10	ADD68311	Add68311 DNA compr
11	41	100.0	333	10	ADD29395	Add29395 Human cal
12	41	100.0	333	10	ABZ70046	Abz70046 Human cal
13	23	56.1	110000	2	AAX31990_11	Continuation (12 o
c 14	22.2	54.1	780	8	ACA40205	Aca40205 Prokaryot
15	22	53.7	652	2	AAX19896	Aax19896 Mouse pro
16	22	53.7	2293	2	AAX19900	Aax19900 Plasmid p
c 17	21.8	53.2	168276	11	ACN43942	Acn43942 Human gen
18	21.6	52.7	86131	10	ADR77178	Adr77178 KALPA gen
c 19	21.4	52.2	1209	9	ADB85463	Adb85463 Streptoco

20	21.4	52.2	1212	9	ADB85471	Adb85471 Streptoco
21	21.4	52.2	4226	4	ABL08190	Abi08190 Drosophil
c 22	21.4	52.2	110000	14	AEA61163_2	Continuation (3 of
23	21.2	51.7	957	8	ABX92193	Abx92193 Human ova
24	21.2	51.7	1460	8	ABX92194	Abx92194 Human ova
25	21.2	51.7	64125	13	ABD33295	Abd33295 Human can
26	21	51.2	396	8	ABX47703	Abx47703 Bovine ES
27	21	51.2	403	8	ABX40611	Abx40611 Bovine ES
c 28	21	51.2	417	3	AAC41719	Aac41719 Arabidops
c 29	21	51.2	616	3	AAC44877	Aac44877 Arabidops
30	21	51.2	753	8	ABX05433	Abx05433 Human nov
31	21	51.2	803	6	ABQ26745	Abq26745 Oligonuc1
c 32	21	51.2	803	6	ABQ26744	Abq26744 Oligonuc1
c 33	21	51.2	972	5	AAS66748	Aas66748 DNA encod
34	21	51.2	973	6	ABN74450	Abn74450 Bovine em
35	21	51.2	974	6	ABN74449	Abn74449 Bovine em
36	21	51.2	1270	2	AAZ24855	Aaz24855 Human sec
37	21	51.2	11445	4	AAK70537	Aak70537 Human imm
c 38	21	51.2	46830	14	ADZ12773	Adz12773 Human can
c 39	21	51.2	55235	4	AAK67426	Aak67426 Human imm
c 40	21	51.2	73930	12	ADQ97577	Adq97577 Human can
c 41	21	51.2	86574	6	ABK83560	Abk83560 Human cDN
c 42	21	51.2	86574	13	ADR52822	Adr52822 Drug ther
c 43	20.8	50.7	180	6	ABQ55988	Abq55988 Tumour su
c 44	20.8	50.7	199	6	ABQ55990	Abq55990 Tumour su
c 45	20.8	50.7	199	6	ABQ55984	Abq55984 Tumour su

ALIGNMENTS

RESULT 1

ADC21270
ID ADC21270 standard; DNA; 41 BP.

XX AC ADC21270;

XX DT 18-DEC-2003 (first entry)

XX DE Human cell-specific expression vector-related DNA sequence #1.

XX KW human; cell-specific expression vector; cell-specific replication vector;
XX KW gene therapy; malignant tumour; liver fibrosis; postoperative stenosis;
XX KW organ transplantation; arteriosclerosis; diabetic omentopathy; ds.

XX OS Homo sapiens.

XX PN WO2003057888-A1.

XX PD 17-JUL-2003.

XX PF 26-DEC-2002; 2002WO-JP013683.

XX PR 28-DEC-2001; 2001JP-00402102.

XX PR 30-AUG-2002; 2002JP-00255395.

XX (NISC-) JAPAN SCI & TECHNOLOGY CORP.

XX Takahashi K, Yamamura H;

XX WPI; 2003-57527/54.

XX Cell-specific expression/replication vector containing transcription
XX initiation regulating domain of human calponin gene, applicable in gene
XX therapy of malignant tumor lung and liver fibrosis or diabetic
XX omentopathy.

XX Claim 2; SEQ ID NO 1; 66pp; Japanese.

XX The invention comprises a cell-specific expression/replication vector
XX which does not act on normal cells. The vector of the invention is useful
XX in gene therapy for the treatment of: malignant tumour, liver fibrosis,
XX postoperative stenosis (e.g. stenosis after organ transplantation),

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 OM nucleic - nucleic search, using sw model
 Run on: April 9, 2006, 02:12:09 ; Search time 421.382 Seconds
 (without alignments)
 4552.334 Million cell updates/sec

Title: US-10-500-173-1
 Perfect score: 41
 Sequence: 1 gaacaatgacacaatcagc.....cccaataccaggcctgac 41

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues
 Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : EST:*

	1:	gb_est1:*
	2:	gb_est2:*
	3:	gb_est3:*
	4:	gb_hic:*
	5:	gb_est4:*
	6:	gb_est5:*
	7:	gb_est6:*
	8:	gb_est7:*
	9:	gb_ges1:*
	10:	gb_ges2:*
	11:	gb_ges3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	24.2	59.0	578	9	AZ954724 2M0220101
C 2	24.2	59.0	687	2	BB636361 BB636361
C 3	24.2	59.0	817	8	CX705842 gmrtdrns0
C 4	24.2	58.5	578	2	BG887927 EST513778
C 5	23.2	56.6	455	8	W81232 zds07.81
C 6	23.2	56.6	457	8	DN589073 49998.1 L
C 7	23.2	56.6	457	8	DR037737 49998.2 L
C 8	23.2	56.6	457	8	DR037738 49998.3 L
C 9	23.2	56.6	465	1	A1773494 EST254594
C 10	23.2	56.6	580	1	A1170292 EST216218
C 11	23.2	56.6	624	2	BQ598900 EST503788
C 12	23.2	56.6	736	3	BQ046841 EST595959
C 13	23.2	56.1	403	6	CD002122 EST0119 N
C 14	23.2	56.1	429	6	CD603495 Z148A3B0
C 15	23.2	56.1	444	3	BM403754 zam160 Z
C 16	23.2	56.1	486	5	BW881674 BW881674
C 17	23.2	56.1	489	2	BG799583 f08h03.Y
C 18	23.2	56.1	571	9	AQ891537 HS 3063 A
C 19	23.2	56.1	644	6	CB343759 CA32EN000
C 20	23.2	56.1	732	6	CF232494 PtaXO001
C 21	23.2	56.1	760	9	BZ773739 mcv78b08.
C 22	23.2	56.1	1246	10	AG341458 Mus muscu

CB577767 AMGNNUC.U
 CW332222 104 829 1
 CW332223 104 829 1
 DR917045 EST110858
 BZ988727 PUGHP347B
 CC350006 OGIA911TH
 CL106814 PUFVE867B
 CL292836 ZMMBB064
 CC364981 FUEEC65TD
 BU035599 QHJ7H13.Y
 BG591195 EST499037
 DN842758 KECB32-27
 CO908605 BU02033B1
 AQ061197 CIT-HSP-2
 CR490303 mth2-1610
 CR038246 Forward 8
 CR259602 Forward 8
 BE343332 EST408481
 BE344046 EST409208
 CA847544 EST0452 C
 BU021048 QHE29C11.
 CO911511 BJ03020B1
 BE920230 EST423959

22.8 55.6 628 6 CB577767
 22.8 55.6 697 10 CW332222
 22.8 55.6 750 10 CW332223
 22.6 55.1 420 8 DR917045
 22.6 55.1 822 9 BZ988727
 22.6 55.1 861 9 CC350006
 22.6 55.1 869 10 CL106814
 22.6 55.1 883 10 CL292836
 22.6 55.1 908 9 CC364981
 22.4 54.6 137 5 BU035599
 22.4 54.6 233 2 BG591195
 22.4 54.6 323 8 DN842758
 22.4 54.6 358 7 CO908605
 22.4 54.6 386 9 AQ061197
 22.4 54.6 402 11 CR490303
 22.4 54.6 424 11 CR038246
 22.4 54.6 425 11 CR259602
 22.4 54.6 438 2 BE343332
 22.4 54.6 453 2 BE344046
 22.4 54.6 474 6 CA847544
 22.4 54.6 478 5 BU021048
 22.4 54.6 487 7 CO911511
 22.4 54.6 490 2 BE920230

RESULT 1
 AZ954724/c
 LOCUS
 DEFINITION 2M0220101R Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0220101 R, genomic survey sequence.
 ACCESSION AZ954724
 VERSION AZ954724.1 GI:13825951
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidae; Muridae; Mus.
 1 (bases 1 to 578)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
 Unpublished (2000)
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0220 row: I column: 01
 Seq primer: CACACGGAACACCTATGACC
 Class: plasmid ends
 High quality sequence stop: 578.
 Location/Qualifiers
 1. 578
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC2M0220101"
 /sex="Female"
 /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC2M library"
 /note="vector: PWD42nv; Purified genomic DNA from M.

ALIGNMENTS

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2006, 13:46:44 ; Search time 20.1767 Seconds
(without alignments)
3612.096 Million cell updates/sec

Title: US-10-500-173-1

Perfect score: 41

Sequence: 1 gaacaatgacacacatcgc.....cccaataccaggccctgac 41

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/1/ina/1 COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PTUS COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
- 8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
- 9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	41	100.0	15585	3	US-09-949-016-11927, A
2	41	100.0	15585	3	US-09-949-016-15627, A
3	23	56.1	1230025	3	US-09-198-452A-1
4	23	56.1	1230230	3	US-09-438-185A-1
5	21.8	53.2	601	3	US-09-949-016-130708
6	21.8	53.2	42250	3	US-09-949-016-15426
7	21.6	52.7	601	3	US-09-949-016-196661
8	21.6	52.7	28585	3	US-09-949-016-17311
9	21	51.2	209210	3	US-09-949-016-15094
10	20.8	50.7	456	3	US-09-328-352-82
11	20.8	50.7	601	3	US-09-949-016-103354
12	20.8	50.7	601	3	US-09-949-016-103355
13	20.8	50.7	601	3	US-09-949-016-127545
14	20.8	50.7	723	3	US-09-328-352-298
15	20.8	50.7	2904	3	US-09-054-272-29
16	20.8	50.7	4450	3	US-09-949-016-2850
17	20.8	50.7	4510	3	US-09-919-039-16
18	20.8	50.7	34531	3	US-09-949-016-14604
19	20.8	50.7	36223	3	US-09-949-016-14417
20	20.8	50.7	73757	3	US-09-949-016-15369
21	20.6	50.2	50109	3	US-09-949-016-14112
22	20.6	50.2	98708	3	US-09-949-016-16392
23	20.4	49.8	601	3	US-09-949-016-64221
24	20.4	49.8	981	3	US-09-270-767-956

c	25	20.4	49.8	981	3	US-09-270-767-16238	Sequence 16238, A
	26	20.4	49.8	88906	3	US-09-949-016-17468	Sequence 17468, A
	27	20.4	49.8	106746	3	US-09-326-402C-1	Sequence 1, Appli
c	28	20.4	49.8	106746	3	US-09-326-402C-12	Sequence 12, Appli
	29	20.4	49.8	183202	3	US-09-949-016-13614	Sequence 13614, A
	30	20.4	49.8	818128	3	US-09-949-016-14546	Sequence 14546, A
	31	20.4	49.8	818128	3	US-09-949-016-14547	Sequence 14547, A
	32	20.4	49.8	818128	3	US-09-949-016-14548	Sequence 14548, A
	33	20.4	49.8	818128	3	US-09-949-016-14549	Sequence 14549, A
	34	20.4	49.8	818128	3	US-09-949-016-14550	Sequence 14550, A
	35	20.4	49.8	818128	3	US-09-949-016-14551	Sequence 14551, A
	36	20.4	49.8	818128	3	US-09-949-016-14552	Sequence 14552, A
	37	20.4	49.8	818128	3	US-09-949-016-14553	Sequence 14553, A
	38	20.4	49.8	818128	3	US-09-949-016-14554	Sequence 14554, A
	39	20.4	49.8	818128	3	US-09-949-016-14555	Sequence 14555, A
	40	20.4	49.8	818128	3	US-09-949-016-14556	Sequence 14556, A
	41	20.4	49.8	818128	3	US-09-949-016-14557	Sequence 14557, A
	42	20.4	49.8	818128	3	US-09-949-016-14558	Sequence 14558, A
	43	20.4	49.8	818128	3	US-09-949-016-14559	Sequence 14559, A
	44	20.4	49.8	818128	3	US-09-949-016-14560	Sequence 14560, A
	45	20.4	49.8	818128	3	US-09-949-016-14561	Sequence 14561, A

ALIGNMENTS

RESULT 1

US-09-949-016-11927
; Sequence 11927, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11927
; LENGTH: 15585
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(15585)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11927

Query Match 100.0%; Score 41; DB 3; Length 15585;
Best Local Similarity 100.0%; Pred. No. 2.1e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAACAATGACACATCAGCTCCCAATACCAAGGCGCTGAC 41
|||||
DB 1819 GAACAATGACACATCAGCTCCCAATACCAAGGCGCTGAC 1859

RESULT 2

US-09-949-016-15627
; Sequence 15627, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:22:52 ; Search time 96.2918 Seconds
(without alignments)
3521.011 Million cell updates/sec

Title: US-10-500-173-1
Perfect score: 41
Sequence: 1 gaacaatgacacatcagc.....cccaatacgaaggcctgac 41

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA Main:
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2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:
3: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:
4: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:
5: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:
6: /cgn2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:
7: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:
8: /cgn2_6/prodata/1/pubpna/US10D_PUBCOMB.seq:
9: /cgn2_6/prodata/1/pubpna/US10E_PUBCOMB.seq:
10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	100.0	41	8	Sequence 1, Appli
2	41	100.0	41	8	Sequence 1, Appli
3	41	100.0	260	8	Sequence 1, Appli
4	41	100.0	260	8	Sequence 1, Appli
5	41	100.0	333	8	Sequence 1, Appli
6	41	100.0	333	8	Sequence 1, Appli
7	24.2	59.0	297	7	Sequence 2981, Ap
8	23.6	57.6	616	4	Sequence 836727, 1
9	23	56.1	1230025	6	Sequence 1, Appli
10	22.6	55.1	554	5	Sequence 265758, 1
11	22.6	55.1	554	5	Sequence 265758, 1
12	22.6	55.1	554	5	Sequence 265758, 1
13	22.6	55.1	554	5	Sequence 265758, 1
14	22.6	55.1	554	5	Sequence 265758, 1
15	22.6	55.1	554	5	Sequence 265758, 1
16	22.4	54.6	472	4	Sequence 265760, 1
17	22.4	54.6	472	4	Sequence 265760, 1
18	22.4	54.6	526	5	Sequence 591663, 1
19	22.4	54.6	526	5	Sequence 591663, 1
20	22.4	54.6	530	4	Sequence 273806, 1
21	22.4	54.6	530	4	Sequence 273806, 1
22	22.4	54.6	530	4	Sequence 592113, 1
23	22.4	54.6	530	4	Sequence 592113, 1
24	22.4	54.6	574	4	Sequence 411954, 1

24	22.2	54.1	333	8	US-10-425-115-16888	Sequence 16888, A
25	22.2	54.1	780	7	US-10-282-122A-28075	Sequence 28075, A
26	22.2	54.1	1075	8	US-10-425-115-113737	Sequence 113737, A
27	22	53.7	530	4	US-09-925-065A-592115	Sequence 592115, A
28	21.8	53.2	2539	8	US-10-425-115-148088	Sequence 148088, A
29	21.8	53.2	2546	7	US-10-424-599-135928	Sequence 135928, A
30	21.8	53.2	168276	5	US-10-087-192-142	Sequence 142, App
31	21.6	52.7	518	7	US-10-424-599-90554	Sequence 90554, A
32	21.6	52.7	603	4	US-09-925-065A-652206	Sequence 652206, A
33	21.6	52.7	1331	4	US-09-925-065A-88682	Sequence 88682, A
34	21.6	52.7	1852	7	US-10-424-599-90555	Sequence 90555, A
35	21.4	52.2	507	4	US-09-925-065A-802711	Sequence 802711, A
36	21.4	52.2	507	4	US-09-925-065A-856293	Sequence 856293, A
37	21.4	52.2	507	4	US-09-925-065A-856294	Sequence 856294, A
38	21.4	52.2	507	4	US-09-925-065A-892774	Sequence 892774, A
39	21.4	52.2	577	4	US-09-925-065A-870115	Sequence 870115, A
40	21.4	52.2	1209	6	US-10-284-400-5	Sequence 5, Appli
41	21.4	52.2	1212	6	US-10-284-400-13	Sequence 13, Appli
42	21.4	52.2	1839	5	US-10-027-632-97711	Sequence 97711, A
43	21.4	52.2	1839	6	US-10-027-632-97711	Sequence 97711, A
44	21.4	52.2	4226	10	US-11-097-143-9526	Sequence 9526, Ap
45	21.4	52.2				

ALIGNMENTS

RESULT 1
US-10-477-797-1
; Sequence 1, Application US/10477797
; Publication No. US20040197308A1
; GENERAL INFORMATION:
; APPLICANT: JAPAN SCIENCE AND TECHNOLOGY CORPORATION
; TITLE OF INVENTION: Replication Vector Showing Cell-Specific Expression
; FILE REFERENCE: K01002PCT
; CURRENT APPLICATION NUMBER: US/10/477,797
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: JP P2001-143999
; PRIOR FILING DATE: 2001-05-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-477-797-1

Query Match 100.0%; Score 41; DB 8; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.1e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAACAATGACACATCGCTCCCAATACCAAGGCCTGAC 41
Db 1 GAACAATGACACATCGCTCCCAATACCAAGGCCTGAC 41

RESULT 2
US-10-500-173-1
; Sequence 1, Application US/10500173
; Publication No. US2005032214A1
; GENERAL INFORMATION:
; APPLICANT: Katsuhito TAKAHASHI
; APPLICANT: Hisako YAMAMURA
; TITLE OF INVENTION: Cell specific expression/replication vector
; FILE REFERENCE: 4439-4022
; CURRENT APPLICATION NUMBER: US/10/500,173
; CURRENT FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: JP P2001-402102
; PRIOR FILING DATE: 2001-12-28
; PRIOR APPLICATION NUMBER: JP P2002-255395
; PRIOR FILING DATE: 2002-08-30
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1

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C	1	23.6	57.6	616	6	US-09-925-065A-836727	Sequence 836727, Ap
	2	23	56.1	13187	14	US-11-136-527-4095	Sequence 4095, Ap
	3	22.6	55.1	554	9	US-10-301-480-100586	Sequence 100586,
	4	22.6	55.1	554	9	US-10-301-480-100587	Sequence 100587,
	5	22.6	55.1	554	9	US-10-301-480-100588	Sequence 100588,
	6	22.6	55.1	554	10	US-10-301-480-713995	Sequence 713995,
	7	22.6	55.1	554	10	US-10-301-480-713996	Sequence 713996,
	8	22.6	55.1	554	10	US-10-301-480-713997	Sequence 713997,
C	9	22.4	54.6	472	6	US-09-925-065A-591662	Sequence 591662,
C	10	22.4	54.6	472	6	US-09-925-065A-591663	Sequence 591663,
	11	22.4	54.6	530	6	US-09-925-065A-592112	Sequence 592112,
	12	22.4	54.6	530	6	US-09-925-065A-592113	Sequence 592113,
	13	22.4	54.6	530	6	US-09-925-065A-592114	Sequence 592114,
C	14	22.4	54.6	558	10	US-10-301-480-509257	Sequence 509257,
C	15	22.4	54.6	558	10	US-10-301-480-509258	Sequence 509258,
C	16	22.4	54.6	558	10	US-10-301-480-509259	Sequence 509259,
C	17	22.4	54.6	558	10	US-10-301-480-1122666	Sequence 1122666,
C	18	22.4	54.6	558	10	US-10-301-480-1122667	Sequence 1122667,

SEQUENCE 1095, APPLICATION US/1113632/

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6758.955 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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9: gb_ro.*
10: gb_sts.*
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13: gb_vi.*
14: gb_htg.*
15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	260	100.0	333	6	BD181248 Cell spec
4	260	100.0	333	6	BD182149 Cell spec
5	260	100.0	1221	8	D85611 Human smoot
6	260	100.0	142645	8	AC008481 Homo sapi
7	256	98.5	314	8	HS12H4R
8	193.4	74.4	224294	14	AC151861 Colobus g
9	188.2	72.4	178488	14	AC151856 Papio ham
10	184.6	71.0	186803	14	AC151868 Callithri
11	181.4	69.8	181714	14	AC151893 Aotus nan
12	179.8	69.2	250810	14	AC151886 Salmiri b
13	178.2	68.5	163264	14	AC151891 Callicebu
14	168.4	64.8	236017	14	AC150437 Lemur cat
15	164	63.1	1600	8	BC022015 Homo sapi
16	164	63.1	1605	6	CS119457 Sequence
17	150	57.7	1633	8	BC036307 Homo sapi
18	142	54.6	199562	14	AC163457 Bos tauru

c 19	134.2	51.6	207823	14	AC145542	AC145542 Oryctolag
c 20	101	38.8	245942	14	AC132792	AC132792 Rattus no
c 21	100	38.5	1522	6	E11061	E11061 Calponin ge
c 22	93.6	36.0	10373	9	MUSH1CA	L49022 Mus musculu
c 23	93.6	36.0	174533	14	AC073718	AC073718 Mus muscu
c 24	93.6	36.0	194267	14	AC163623	AC163623 Mus muscu
c 25	93.6	36.0	195294	14	AC051623	AC051623 Mus muscu
c 26	93.6	36.0	201371	14	AC073786	AC073786 Mus muscu
c 27	93.6	36.0	236685	14	AC084744	AC084744 Mus muscu
c 28	92	35.4	1517	6	AX330146	AX330146 Sequence
c 29	92	35.4	1517	6	AX337316	AX337316 Sequence
c 30	92	35.4	1517	8	D17408	D17408 Homo sapien
c 31	87.4	33.6	485	9	AF123268	AF123268 Rattus no
c 32	84.2	32.4	3001	9	MMU37071	U37071 Mus musculu
c 33	78	30.0	1500	6	CQ724324	CQ724324 Sequence
c 34	78	30.0	1504	6	AX146871	AX146871 Sequence
c 35	78	30.0	1504	6	AX578072	AX578072 Sequence
c 36	78	30.0	1504	8	HSU37019	U37019 Homo sapien
c 37	77	29.6	1521	8	AK223234	AK223234 Homo sapi
c 38	76.2	29.3	156	6	CQ503702	CQ503702 Sequence
c 39	76.2	29.3	711	6	CQ482594	CQ482594 Sequence
c 40	74	28.5	1496	8	S80560	S80560 basic calpo
c 41	58	22.3	178594	14	AC144892	AC144892 Didelphis
c 42	56.6	21.8	1216	9	MMCALP01	U38939 Mus musculu
c 43	46.2	17.8	165072	4	AC145332	AC145332 Felis cat
c 44	41.6	16.0	177950	8	AC019103	AC019103 Homo sapi
c 45	41	15.8	41	6	BD181246	BD181246 Cell spec

ALIGNMENTS

RESULT 1	BD181247	Cell specific express replication vector.	260 bp	DNA	linear	PAT 15-MAY-2003
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DEFINITION	BD181247	Cell specific express replication vector				
ACCESSION	BD181247	Cell specific express replication vector				
VERSION	BD181247.1	GI:30792165				
KEYWORDS	JP 2002335965-A/2.					
SOURCE	Homo sapiens (human)					
ORGANISM	Homo sapiens					
REFERENCE	1 (bases 1 to 260)					
AUTHORS	Takahashi, K., Yamamura, H. and Miyatake, S.					
TITLE	Cell specific express replication vector					
JOURNAL	Patent: JP 2002335965-A 2 26-NOV-2002;					
COMMENT	JAPAN SCIENCE AND TECHNOLOGY CORP					
	OS Homo sapiens (human)					
	PN JP 2002335965-A/2					
	PD 26-NOV-2002					
	PF 14-MAY-2001 JP 2001143999					
	PI KATSUHIITO TAKAHASHI, HISAKO YAMAMURA, SHINICHI MIYATAKE PC					
	C12N15/09, A61K35/76, A61P35/00, C12N5/10, C12N15/00, PC					
	C12N5/00					
	CC Cell specific express replication vector					
	PH Key	Location/Qualifiers				
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	FT	/organism='Homo sapiens (human)'				
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Best Local Similarity	100.0%;	Pred. No. 6e-57;				
Matches 260;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;		
QY	1	GAACAATGACACAATCAGCTCCCATATCCAAAGGCGCTGACATCAACAGGGGAGGAG 60				

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:04:37 ; Search time 376.877 Seconds
(without alignments)
4597.840 Million cell updates/sec

Title: US-10-500-173-2

Perfect score: 260

Sequence: 1 gaacaatgacacatcgc.....gccagagccacggcgccgc 260

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	260	100.0	260	10	ADC21271	ADC21271 Human cel
2	260	100.0	260	10	AD68310	AD68310 Human ang
3	260	100.0	260	10	AD29394	AD29394 Antiarter
4	260	100.0	260	10	AB270045	AB270045 Oligonuc
5	260	100.0	333	10	ADC21272	ADC21272 Human cel
6	260	100.0	333	10	AD68311	AD68311 DNA compr
7	260	100.0	333	10	AD29395	AD29395 Human cel
8	260	100.0	333	10	AB270046	AB270046 Human cel
9	213	81.9	1206	13	ACN41242	ACN41242 Human dia
10	213	81.9	1257	13	ACN41241	ACN41241 Human dia
11	213	81.9	1395	13	ACN41239	ACN41239 Human dia
12	213	81.9	1395	13	ACN41240	ACN41240 Human dia
13	164	63.1	1605	12	ADN04009	ADN04009 Antipsori
14	135	51.9	1586	10	ADJ56427	ADJ56427 Human cDN
15	100	38.5	1522	2	AAQ86719	AAQ86719 Carponin
16	100	38.5	1522	2	AAT18663	AAT18663 Carponin
17	92	35.4	1517	6	ABL62318	ABL62318 Colon ade
18	92	35.4	1517	6	ABL69488	ABL69488 Prostate
19	92	35.4	1517	6	ABT10830	ABT10830 Human bre

20	78	30.0	1499	12	ADQ83552	Adq83552 Human tum	
21	78	30.0	1504	4	AA07354	AA07354 Human DNA	
22	78	30.0	1504	8	AB234836	AB234836 Coding se	
23	78	30.0	1504	10	ADB75245	ADB75245 Prostate	
24	78	30.0	1504	13	ADR99030	ADR99030 Calponin	
25	76.2	29.3	156	5	ABV35551	ABV35551 Human pro	
26	76.2	29.3	711	5	ABV14470	ABV14470 Human pro	
27	41	15.8	41	10	ADC21270	ADC21270 Human cel	
28	41	15.8	41	10	ADD68309	ADD68309 Human ang	
29	41	15.8	41	10	ADD29393	ADD29393 Antiarter	
30	41	15.8	41	10	ABZ70044	ABz70044 Oligonuc1	
c	31	40.8	15.7	158001	12	ADL17884	Adl17884 Human pho
	32	39.8	15.3	425	9	ACH30634	ACH30634 Human tes
	33	39.4	15.2	648	5	ABV05301	ABV05301 Human pro
c	34	37.6	14.5	142299	10	ADD50651	ADD50651 BAC esque
c	35	37.6	14.5	142299	14	ADV77909	Adv77909 Human BAC
c	36	37.4	14.4	3195	8	ABX75327	Abx75327 Human cDN
c	37	37.4	14.4	3195	8	AD52555	Adx52555 F2D 8 DNA
c	38	37.4	14.4	3195	8	AB281827	Abz81827 Receptor
c	39	37.4	14.4	3195	10	ADB75319	Adb75319 Prostate
c	40	37.4	14.4	3195	11	ADN39809	Adn39809 Cancer/an
c	41	37.4	14.4	3195	12	ADO22267	Ado22267 Human F2D
c	42	37.4	14.4	3195	13	ADR46635	Adr46635 Cancer-as
c	43	37.4	14.4	3195	14	ADX16340	Adx16340 DNA encod
c	44	37.4	14.4	3205	12	ADQ24577	Adq24577 Human sof
c	45	37.4	14.4	3206	12	ADM86913	Adm86913 Human pro

ALIGNMENTS

RESULT 1

ADC21271
ID ADC21271 standard; DNA; 260 BP.

XX AC ADC21271;

XX DT 18-DEC-2003 (first entry)

XX XX Human cell-specific expression vector-related DNA sequence #2.

DE DE human; cell-specific expression vector; cell-specific replication vector;
KW KW gene therapy; malignant tumour; liver fibrosis; postoperative stenosis;
KW KW organ transplantation; arteriosclerosis; diabetic omentopathy; ds.

XX OS Homo sapiens.

XX XX WO2003057888-A1.

XX PD 17-JUL-2003.

XX PF 26-DEC-2002; 2002WO-JP013683.

PR 28-DEC-2001; 2001JP-00402102.

PR 30-AUG-2002; 2002JP-00255395.

XX (NISC-) JAPAN SCI & TECHNOLOGY CORP.

XX Takahashi K, Yamamura H;

XX WPI; 2003-577527/54.

XX Cell-specific expression/replication vector containing transcription
PT initiation regulating domain of human calponin gene, applicable in gene
PT therapy of malignant tumor lung and liver fibrosis or diabetic
PT omentopathy.

PS Claim 3; SEQ ID NO 2; 66pp; Japanese.

XX The invention comprises a cell-specific expression/replication vector
CC which does not act on normal cells. The vector of the invention is useful
CC in gene therapy for the treatment of: malignant tumour, liver fibrosis,
CC postoperative stenosis (e.g. stenosis after organ transplantation),

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	209.4	80.5	818	2	BG718473	BG718473 6026965515
2	164	63.1	596	2	BG720683	BG720683 6026952572
3	152	58.5	789	3	BI831662	BI831662 6030788066
4	112.4	43.2	577	3	BI831410	BI831410 603074509
5	103	39.6	300	1	AU099476	AU099476 60099476
6	103	39.6	580	3	BP257909	BP257909 60257909
7	103	39.6	580	3	BP343021	BP343021 60257909
8	103	39.6	581	3	BP216801	BP216801 60257909
9	103	39.6	581	3	BP375335	BP375335 60257909
10	103	39.6	582	3	BP262111	BP262111 60257909
11	103	39.6	582	3	BP311382	BP311382 60257909
12	103	39.6	582	3	BP329165	BP329165 60257909
13	103	39.6	582	3	BP330989	BP330989 60257909
14	103	39.6	582	3	BP331068	BP331068 60257909
15	103	39.6	583	3	BP329772	BP329772 60257909
16	103	39.6	588	3	BP329527	BP329527 60257909
17	103	39.6	791	1	AU136287	AU136287 60257909
18	103	39.6	874	1	AU122686	AU122686 60257909
19	102	39.2	778	8	CX756920	CX756920 60257909
20	102	39.2	930	5	BUS256920	BUS256920 60257909
21	101.4	39.0	580	3	BP372922	BP372922 60257909
22	101.4	39.0	583	3	BP330966	BP330966 60257909

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OM nucleic - nucleic search, using sw model

Run on: April 8, 2006, 13:46:44 ; Search time 127.95 Seconds
(without alignments)
3612.096 Million cell updates/sec

Title: US-10-500-173-2
Perfect score: 260
Sequence: 1 gaacaatgacacaatcagc.....gccagagccaccgcccagc 260

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgn2_6/prodata/1/ina/5 COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	260	100.0	15585	3	US-09-949-016-11927 Sequence 11927, A
2	260	100.0	15585	3	US-09-949-016-15627 Sequence 15627, A
3	78	30.0	1501	3	US-09-949-016-3885 Sequence 3885, Ap
4	78	30.0	1504	3	US-09-949-016-185 Sequence 185, App
5	36.8	14.2	8186	3	US-10-029-517-19 Sequence 19, Appl
6	36	13.8	120	3	US-09-313-294A-4341 Sequence 4341, Ap
7	34.6	13.3	601	3	US-09-949-016-169734 Sequence 169734, A
8	34.6	13.3	3510	3	US-09-265-585C-95 Patent No. 5386025
9	34.6	13.3	5362	9	5386025-5 Sequence 1, Appl
10	34.6	13.3	5975	2	US-08-404-354B-1 Sequence 1, Appl
11	34.6	13.3	5975	2	US-08-314-083B-1 Sequence 1, Appl
12	34.6	13.3	5975	2	US-08-435-675B-1 Sequence 3, Appl
13	34.6	13.3	5975	2	US-08-336-257A-3 Sequence 1, Appl
14	34.6	13.3	5975	3	US-08-884-599-1 Sequence 1, Appl
15	34.4	13.2	23187	3	US-09-499-522-1 Sequence 1, Appl
16	33.4	12.8	601	3	US-09-949-016-169736 Sequence 169736, A
17	33.4	12.8	2400	3	US-08-930-001-1 Sequence 1, Appl
18	33.4	12.8	2400	3	US-09-091-888-1 Sequence 1, Appl
19	33.4	12.8	18079	3	US-09-949-016-13344 Sequence 13344, A
20	33.4	12.8	99748	3	US-09-949-016-11990 Sequence 11990, A
21	33.4	12.8	99749	3	US-09-949-016-16518 Sequence 16518, A
22	33	12.7	342	3	US-09-893-737-93 Sequence 93, Appl
23	33	12.7	601	3	US-09-949-016-55187 Sequence 55187, A
24	33	12.7	601	3	US-09-949-016-55188 Sequence 55188, A

25	33	12.7	601	3	US-09-949-016-169735 Sequence 169735, A
26	33	12.7	675	3	US-09-252-991A-5332 Sequence 5332, Ap
27	33	12.7	1485	3	US-09-252-991A-5638 Sequence 5638, Ap
28	33	12.7	3321	3	US-09-252-991A-5668 Sequence 5668, Ap
29	32.6	12.5	690	3	US-09-252-991A-5557 Sequence 5557, Ap
30	32.4	12.5	4403765	3	US-09-103-840A-2 Sequence 2, Appl
31	32.4	12.5	4411529	3	US-09-103-840A-1 Sequence 1, Appl
32	32.2	12.4	7218	2	US-08-232-463-14 Sequence 14, Appl
33	32	12.3	10465	3	US-09-949-016-13136 Sequence 13136, A
34	31.8	12.2	601	3	US-09-949-016-40415 Sequence 40415, A
35	31.8	12.2	601	3	US-09-949-016-91943 Sequence 91943, A
36	31.8	12.2	601	3	US-09-949-016-194884 Sequence 194884, A
37	31.8	12.2	601	3	US-09-949-002-3572 Sequence 3572, Ap
38	31.8	12.2	601	3	US-09-949-002-6250 Sequence 6250, Ap
39	31.8	12.2	601	3	US-09-949-002-10314 Sequence 10314, A
40	31.8	12.2	1510	2	US-08-300-903A-12 Sequence 12, Appl
41	31.8	12.2	1510	3	US-08-988-197-12 Sequence 12, Appl
42	31.8	12.2	1510	3	US-10-385-072-12 Sequence 12, Appl
43	31.8	12.2	14395	3	US-09-949-016-12247 Sequence 12247, A
44	31.8	12.2	14395	3	US-09-949-016-16357 Sequence 16357, A
45	31.8	12.2	14688	3	US-09-949-016-12220 Sequence 12220, A

ALIGNMENTS

RESULT 1
US-09-949-016-11927
; Sequence 11927, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11927
; LENGTH: 15585
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(15585)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11927

Query Match	100.0%	Score 260;	DB 3;	Length 15585;
Best Local Similarity	100.0%;	Pred. No. 1.1e-63;		
Matches 260;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	GAACAATGACACATCAGCTCCCAATACCAAGGCGCTGACATCAAGGGGAGGGAAG	60	
DB	1819	GAACAATGACACATCAGCTCCCAATACCAAGGCGCTGACATCAAGGGGAGGGAAG	1878	
QY	61	GCAGCTGAGGTGTGGGGGAGGTGCCCGCCCTTGGCAGCGCCCTACGCCAATGGA	120	
DB	1879	GCAGCTGAGGTGTGGGGGAGGTGCCCGCCCTTGGCAGCGCCCTACGCCAATGGA	1938	
QY	121	CGGCCCTGGAAGAGACCCGGGTGCGCTCCGAGCTTCAAAACATGTGAGGAGGGAAG	180	
DB	1939	CGGCCCTGGAAGAGACCCGGGTGCGCTCCGAGCTTCAAAACATGTGAGGAGGGAAG	1998	
QY	181	TGTGACAGCGAACTTACGCGCTGCTCTCTTCTACGCTCAGTCCGCCACTCCCCC	240	

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:36:12 ; Search time 479,811 Seconds
(without alignments)
2167,823 Million cell updates/sec

Title: US-10-500-173-2

Perfect score: 260

Sequence:

1 gaacaatgacacaatcagc.....gccagagccaccggccagc 260

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 9267905 seqs, 2000278028 residues

Total number of hits satisfying chosen parameters: 18535810

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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4: /SIDSS/ptodata/1/pubpna/US09 NEW PUB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	164	63.1	1605	14	US-11-000-688-1504
2	78	30.0	1504	11	US-11-245-147-194
C 3	36.8	14.2	1084	9	US-11-517-696-82
C 4	36.8	14.2	1582	11	US-11-050-857-464
C 5	36.8	14.2	1582	11	US-11-043-806-59
C 6	34.8	13.4	13299	14	US-11-124-367A-5011
C 7	34.4	13.2	23187	11	US-11-236-189-1
C 8	33.6	12.9	2213	9	US-10-330-773-94
C 9	33.6	12.9	26563	14	US-10-330-773-93
C 10	33.4	12.8	153376	14	US-11-121-086-5
C 11	33.4	12.8	172543	14	US-11-121-086-6
C 12	33.2	12.8	398	11	US-11-116-881A-1686
C 13	33.2	12.8	22855	14	US-11-124-368A-2908
C 14	33	12.7	1521	14	US-11-136-527-1998
C 15	33	12.7	3752	8	US-10-750-185-28772
C 16	33	12.7	3752	8	US-10-750-185-28772
C 17	32.8	12.6	614	6	US-09-925-065A-780929
C 18	32.8	12.6	978	10	US-10-301-480-548844

Sequence 1162253, A
Sequence 21494, A
Sequence 543, App
Sequence 2592, App
Sequence 36, Appl
Sequence 696624, A
Sequence 30591, A
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Sequence 1, Appl
Sequence 1651, App
Sequence 5747, App
Sequence 4680, App
Sequence 1, Appl
Sequence 2, Appl
Sequence 89435, A
Sequence 189676, A
Sequence 803085, A
Sequence 532014, A
Sequence 1145423, A
Sequence 34347, A
Sequence 34347, A
Sequence 3, Appl
Sequence 24463, A
Sequence 62445, A
Sequence 62445, A
Sequence 44489, A

US-10-301-480-1162253
US-11-096-568A-21494
US-11-052-554A-543
US-11-136-527-2592
US-11-112-908-36
US-09-925-065A-696624
US-10-750-185-30591
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US-09-925-065A-89435
US-10-301-480-189676
US-10-301-480-803085
US-10-301-480-532014
US-10-301-480-1145423
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US-10-477-507A-3
US-11-096-568A-24463
US-10-750-185-62445
US-10-750-623-62445
US-10-750-185-44489

ALIGNMENTS

RESULT 1

US-11-000-688-1504
; Sequence 1504, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNEAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; PRIOR FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1504
; LENGTH: 1605
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc_feature
; LOCATION: (1)..(1605)
; OTHER INFORMATION: calponin 1, basic, smooth muscle(CNN1) gene.
US-11-000-688-1504

Query Match 63.1%; Score 164; DB 14; Length 1605;
Best Local Similarity 100.0%; Pred. No. 3.2e-35;
Matches 164; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 GCAGGCCCCCTACAGCCCAATGGAACGGCCCTGGAGAGACCCGGTGCCTCGGAGCTT 156
DB 6 GCAGGCCCCCTACAGCCCAATGGAACGGCCCTGGAGAGACCCGGTGCCTCGGAGCTT 65
QY 157 CAAAACATGTGAGAGGGAAGAGTGTGCAGACGAACTTCAGCGCTCTGTCTTC 216
DB 66 CAAAACATGTGAGAGGGAAGAGTGTGCAGACGAACTTCAGCGCTCTGTCTTC 125
QY 217 AGGTCAGTGGCGCCACTGTCCCGCCAGAGACCCACCGCCAGC 260

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:10:27 ; Search time 2800.56 Seconds
(without alignment)
6758.955 Million cell updates/sec

Title: US-10-500-173-3
Perfect score: 333
Sequence: 1 gaacaatgacacaatcagc.....taagaacaaggtaggggtgg 333

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues
Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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14: gb_htg.*
15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	333	100.0	333	6	BD181248
2	333	100.0	333	6	BD182149
3	331.4	99.5	142645	8	AC008481
4	323	97.0	1221	8	D85611
5	308	92.5	314	8	HS12H4R
6	261.6	78.6	224294	14	AC151861
7	260	78.1	260	6	BD181247
8	260	78.0	178488	14	AC151856
9	259.6	75.4	186803	14	AC151868
10	251.2	74.5	181714	14	AC151893
11	246.4	74.0	163264	14	AC151891
12	246.4	74.0	250810	14	AC151886
13	243.4	70.1	236017	14	AC150437
14	233.4	68.4	1600	8	BC022015
15	227.8	68.4	1605	6	CS119457
16	227.8	68.4	1605	6	CS119457
17	213.8	64.2	1633	8	BC036307
18	197	59.2	199562	14	AC163457
19	197	59.2	199562	14	AC163457

c 19	195.6	58.7	207823	14	AC145542
20	163.8	49.2	1522	6	E11061
c 21	156.4	47.0	245942	14	AC132792
22	155.8	46.8	1517	6	AX330146
23	155.8	46.8	1517	6	AX330146
24	155.8	46.8	1517	8	D17408
25	145.8	43.8	10373	9	MUSHICA
c 26	145.8	43.8	174533	14	AC073718
27	145.8	43.8	194267	14	AC163623
c 28	145.8	43.8	195294	14	AC051623
29	145.8	43.8	201371	14	AC073786
c 30	145.8	43.8	236685	14	AC084744
31	141.8	42.6	1500	6	CQ724324
32	141.8	42.6	1504	6	AX146871
33	141.8	42.6	1504	6	AX578072
34	141.8	42.6	1504	8	HSU37019
35	140.8	42.3	1521	8	AK223234
36	136.2	40.9	1496	8	S80560
37	89.4	28.5	1123	4	AF323674
38	89.4	26.8	711	6	CQ482594
39	87.4	26.2	485	9	AF123268
40	86.6	26.0	156	6	CQ503702
41	84.2	25.3	3001	9	MMU37071
42	82.4	24.7	184	9	MMCALP02
43	76.8	23.1	1499	4	AY327118
44	75	22.5	1470	4	SSHICALA
45	72.2	21.7	1524	9	MWHICALA

ALIGNMENTS

RESULT 1	BD181248	333 bp	DNA	linear	PAT 15-MAY-2003
LOCUS	BD181248	Cell specific express replication vector.			
DEFINITION	BD181248				
ACCESSION	BD181248				
VERSION	BD181248.1	GI:30792166			
KEYWORDS	JP 2002335965-A/3.				
SOURCE	synthetic construct				
ORGANISM	synthetic construct	other sequences; artificial sequences.			
REFERENCE	1 (bases 1 to 333)				
AUTHORS	Takahashi, K., Yamamura, H. and Miyatake, S.				
TITLE	Cell specific express replication vector				
JOURNAL	Patent: JP 2002335965-A 3 26-NOV-2002;				
	JAPAN SCIENCE AND TECHNOLOGY CORP				
COMMENT	OS Artificial Sequence				
	PN JP 2002335965-A/3				
	PD 26-NOV-2002				
	PP 14-MAY-2001	JP 2001143999			
	PI KATSUHIITO TAKAHASHI, HISAKO YAMAMURA, SHINICHI MIYATAKE PC				
	CI2N15/09, A61K35/76, A61K48/00, A61P35/00, C12N5/10, C12N15/00, PC				
	C12N5/00				
	CC Description of Artificial Sequence: Region consist of human				
	CC calponin gene				
	CC promoter and its structural gene fragment				
	PH Key	Location/Qualifiers			
	FT source	1..333			
	FT	/organism='Artificial Sequence'.			
FEATURES	Location/Qualifiers				
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	/organism='synthetic construct'				
	/mol_type='genomic DNA'				
	/db_xref='taxon:32630'				
ORIGIN					
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	Best Local Similarity	100.0%;	Pred. No. 7e-72;	0;	
	Matches 333;	Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
QY	1	GAACAATGACACAATCAGCTCCCATACCAAGGCGCTGACATCACAGGGGGAAG	60		

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:04:37 ; Search time 482.692 Seconds
(without alignments)
4597.840 Million cell updates/sec

Title: US-10-500-173-3
Perfect score: 333
Sequence: 1 gaacaatgacacacacacgc.....taagaacaaggtaggggtgg 333

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
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- 3: Geneseqn2000s.*
- 4: Geneseqn2001as.*
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- 11: Geneseqn2003ds.*
- 12: Geneseqn2004as.*
- 13: Geneseqn2004bs.*
- 14: Geneseqn2005s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	333	100.0	333	10	ADC21272	ADC21272 Human cal
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3	333	100.0	333	10	ADD29395	Add29395 Human cal
4	333	100.0	333	10	ABZ70046	Abz70046 Human cal
5	276.8	83.1	1206	13	ACN41242	Acn41242 Human dia
6	276.8	83.1	1257	13	ACN41241	Acn41241 Human dia
7	276.8	83.1	1395	13	ACN41239	Acn41239 Human dia
8	276.8	83.1	1395	13	ACN41240	Acn41240 Human dia
9	260	78.1	260	10	ADC21271	ADC21271 Human cel
10	260	78.1	260	10	ADD68310	Add68310 Human ang
11	260	78.1	260	10	ADD29394	Add29394 Antiarter
12	260	78.1	260	10	ABZ70045	Abz70045 Oligonucle
13	227.8	68.4	1605	12	ADN04009	Adn04009 Antipsoi
14	198.8	59.7	1586	10	ADJ56427	Adj56427 Human cdn
15	163.8	49.2	1522	2	AQ86719	Aq86719 Carponin
16	163.8	49.2	1522	2	AAT18663	Aat18663 Carponin
17	155.8	46.8	1517	6	ABL62318	Ab162318 Colon ade
18	155.8	46.8	1517	6	ABL69488	Ab169488 Prostate
19	155.8	46.8	1517	6	ABT10830	Abt10830 Human bre

20	141.8	42.6	1499	12	ADQ83552	Adq83552 Human tum
21	141.8	42.6	1504	4	AAO07354	Aad07354 Human DNA
22	141.8	42.6	1504	8	ABZ34836	Abz34836 Coding se
23	141.8	42.6	1504	10	ADB75245	Adb75245 Prostate
24	141.8	42.6	1504	13	ADR99030	Adr99030 Calponin
25	103.6	31.1	425	9	ACH30634	Ach30634 Human tes
26	89.4	26.8	711	5	ABV14470	Abv14470 Human pro
27	86.6	26.0	156	5	ABV35551	Abv35551 Human pro
28	62.4	18.7	538	6	ABN73703	Abn73703 Bovine em
29	57.8	17.4	648	5	ABV05301	Abv05301 Human pro
30	43.6	13.1	120	10	ABX85881	Abx85881 Corn ear-
31	43.4	13.0	1932	6	ABK63774	Abk63774 Rat seque
32	43.4	13.0	1932	10	ADB58375	Adb58375 Toxicity-
33	43.4	13.0	1932	10	ADB52947	Adb52947 Primary r
34	43.4	13.0	1932	13	ADV41198	Adv41198 Rat cardi
35	43.2	13.0	696	12	ADJ40452	Adj40452 Plant cdn
36	41.6	12.5	120	6	ABL71519	Ab171519 Corn tagg
37	41.6	12.5	1499	12	ADM86965	Adm86965 Human pro
38	41.2	12.4	283	3	AAC09556	Aac09556 Human sec
39	41.2	12.4	840	14	AEA19761	Aea19761 Novel hum
40	41.2	12.4	1866	12	ADQ64918	Adq64918 Novel hum
41	41.2	12.4	2122	6	ABN95249	Abn95249 Gene #174
42	41.2	12.4	2122	13	ADP54264	Adp54264 Human PRO
43	41.2	12.4	2122	14	ADY14592	Ady14592 DNA encod
44	41.2	12.4	2161	8	ACC46585	Acc46585 Human dit
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ALIGNMENTS

RESULT 1
ADC21272

ID ADC21272 standard; DNA; 333 BP.

XX AC ADC21272;

XX DT 18-DEC-2003 (first entry)

XX DE Human calponin gene promoter with its structural gene fragment.

XX KW human; cell-specific expression vector; cell-specific replication vector;
XX KW gene therapy; malignant tumour; liver fibrosis; postoperative stenosis;
XX KW organ transplantation; arteriosclerosis; diabetic omentopathy; ds;
XX KW calponin; promoter; structural gene fragment.

XX OS Homo sapiens.

XX PN WO2003057888-A1.

XX PD 17-JUL-2003.

XX PF 26-DEC-2002; 2002WO-JP013683.

XX PR 28-DEC-2001; 2001JP-00402102.

XX PR 30-AUG-2002; 2002JP-00255395.

XX PA (NISC-) JAPAN SCI & TECHNOLOGY CORP.

XX PI Takahashi K, Yamamura H;

XX WI MPI; 2003-577527/54.

XX PT Cell-specific expression/replication vector containing transcription
XX PT initiation regulating domain of human calponin gene, applicable in gene
XX PT therapy of malignant tumor lung and liver fibrosis or diabetic
XX PT omentopathy.

XX PS Claim 4; SEQ ID NO 3; 66pp; Japanese.

XX CC The invention comprises a cell-specific expression/replication vector
XX CC which does not act on normal cells. The vector of the invention is useful
XX CC in gene therapy for the treatment of: malignant tumour, liver fibrosis,

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:12:09 ; Search time 3422.44 Seconds
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4552.334 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	227.8	68.4	596	2	BG720683 602692572
3	216	64.9	789	3	BI831662 603078806
4	176.2	52.9	577	3	BI831410 603074509
5	166.8	50.1	300	1	AU099476 603074509
6	166.8	50.1	580	3	BP257909 603074509
7	166.8	50.1	580	3	BP343021 603074509
8	166.8	50.1	581	3	BP216801 603074509
9	166.8	50.1	581	3	BP375335 603074509
10	166.8	50.1	582	3	BP262111 603074509
11	166.8	50.1	582	3	BP311382 603074509
12	166.8	50.1	582	3	BP329165 603074509
13	166.8	50.1	582	3	BP330989 603074509
14	166.8	50.1	582	3	BP331068 603074509
15	166.8	50.1	583	3	BP329772 603074509
16	166.8	50.1	588	3	BP329527 603074509
17	166.8	50.1	791	1	AU136287 603074509
18	166.8	50.1	874	1	AU122686 603074509
19	165.8	49.8	566	3	BP261780 603074509
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21	165.8	49.8	930	5	BUS26756 603074509
22	165.2	49.6	580	3	BP372922 603074509

23	155.2	49.6	583	3	BP330966
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26	158	47.4	471	7	CN366947
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29	154.8	46.5	1444	4	CR620483
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31	152	45.6	762	8	CX753789
32	152	45.6	1086	3	BM553077
33	151.8	45.6	660	1	AL046845
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37	149.8	45.0	700	1	AL533558
38	149.8	45.0	942	5	BU838479
39	148.8	44.7	545	6	CD611240
40	148.8	44.7	545	6	CD611241
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42	141.2	42.4	832	5	BX374338
43	140.8	42.3	560	3	BP341700
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ALIGNMENTS

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DEFINITION
602696515F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4828610 5',
mRNA sequence.
ACCESSION
BG718473
VERSION
BG718473.1 GI:13997660
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
1 (bases 1 to 818)
NIH-MGC <http://mgc.nhl.nih.gov/>.
AUTHORS
National Institutes of Health, Mammalian Gene Collection (MGC)
TITLE
Unpublished (1999)
JOURNAL
COMMENT
Contact: Robert Straube, Ph.D.
Email: cgabbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki
Toshiyuki and Piero Carninci (RIKEN)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
Plate: LLAM10746 row: n column: 03
High quality sequence stop: 788.

FEATURES
source

1..818
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/db_xref="taxon:9606"
/clone="IMAGE:4828610"
/lab_host="DH10B"
/clone_lib="NIH_MGC_97"
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(gtcgag); Oligo-dT primed using primer
5'-TTTTTTTTTTTTTTT-3', size-selected for average
insert size 2.2 Kb and normalized to 10^5. This is a
primary library enriched for full-length clones and
constructed using the Cap-trapper method (Carninci, in
preparation). Library constructed by M. Brownstein

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OM nucleic - nucleic search, using sw model

Run on: April 8, 2006, 13:46:44 ; Search time 163.874 Seconds
(without alignments)
3612.096 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 6: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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8	44.4	13.3	15273	3	US-09-949-016-13341
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14	40.6	12.2	1607	3	US-09-949-016-264
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16	36.2	10.9	23187	3	US-09-499-522-1
17	34.6	10.4	601	3	US-09-949-016-169734
18	34.6	10.4	3510	3	US-09-265-585C-95
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20	34.6	10.4	5975	2	US-08-404-354B-1
21	34.6	10.4	5975	2	US-08-314-083B-1
22	34.6	10.4	5975	2	US-08-435-675B-1
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Sequence 667, App
Sequence 15078, A
Sequence 13607, A
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Sequence 13719, A
Sequence 13538, A
Sequence 19, Appl
Sequence 169736
Sequence 1, Appl
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Sequence 17005, A
Sequence 13344, A
Sequence 13217, A
Sequence 11990, A
Sequence 16516, A
Sequence 118, App
Sequence 93, Appl
Sequence 55187, A

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34.4 10.3 2055 3 US-09-902-540-7188
34.4 10.3 5051 3 US-09-902-540-667
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29 33.8 10.2 15756 3 US-09-949-016-13607
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32 33.6 10.1 14797 3 US-09-949-016-13719
33 33.6 10.1 15778 3 US-09-949-016-13538
34 33.6 10.1 22976 3 US-09-269-939A-19
35 33.4 10.0 601 3 US-09-949-016-169736
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37 33.4 10.0 7476 3 US-09-091-885-1
38 33.4 10.0 18079 3 US-09-949-016-17005
39 33.4 10.0 28806 3 US-09-949-016-13344
40 33.4 10.0 99748 3 US-09-949-016-13217
41 33.4 10.0 99748 3 US-09-949-016-11990
42 33.4 10.0 99749 3 US-09-949-016-16518
43 33.2 10.0 777 3 US-09-902-540-118
44 33 9.9 342 3 US-09-893-737-93
45 33 9.9 601 3 US-09-949-016-55187

ALIGNMENTS

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; Sequence 11927, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: 60/241,755
; CURRENT FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11927
; LENGTH: 15585
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(15585)
; OTHER INFORMATION: n = A,T,C or G
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Best Local Similarity 99.7%; Pred. No. 5.6e-83;
Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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DB 1819 GAAACAATGACACAATCAGCTCCCAATCAAGGGCCCTGACATCAACAGGGGAGGGGAG 1878
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DB 1879 GCAGCTGAGGTGTGGGGGAGGTCCCGCCCTTGGCAGGCCCTTACAGCCCAATGGAA 1938
QY 121 CGGCCCTTGAAGAGACCCGGGTGCGCTCCGAGCTTCAAAAACATGTGAGGAGGAGAG 180
DB 1939 CGGCCCTTGAAGAGACCCGGGTGCGCTCCGAGCTTCAAAAACATGTGAGGAGGAGAG 1998
QY 181 TGTGAGAGCGGAACCTTACAGCGCTCCTCTGTGTCTCAGCGTCAGTCCGCCACTGCCCCC 240

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OM nucleic - nucleic search, using sw model

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(without alignments)
3521.011 Million cell updates/sec

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Perfect score: 333
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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6	198.8	59.7	1586	5	US-10-084-817-233
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13	141.8	42.6	1504	5	US-10-205-823-69
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17	103.6	31.1	425	3	US-09-318-995-17846
18	89.4	26.8	711	8	US-10-357-930-14461
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20	62.4	18.7	538	3	US-09-876-143-638
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24	43.2	13.0	696	7	US-10-260-238-1452	Sequence 1452, Ap
c 25	42.8	12.9	455	5	US-10-027-632-270660	Sequence 270660, Ap
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c 27	41.6	12.5	120	3	US-09-294-093B-893	Sequence 893, App
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31	41.2	12.2	2122	3	US-09-880-107-1747	Sequence 1747, Ap
32	41.2	12.2	41	8	US-10-477-797-1	Sequence 1, Appli
33	41.2	12.3	41	8	US-10-500-173-1	Sequence 1, Appli
34	41.2	12.3	127	3	US-09-294-093B-5323	Sequence 5323, Ap
c 35	40.8	12.3	158001	7	US-09-211-179-11	GENERAL INFORMATION
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c 38	40.6	12.2	1607	3	US-09-795-651-94	Sequence 94, Appl
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ALIGNMENTS

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; Publication NO. US20040197308A1
; GENERAL INFORMATION:
; APPLICANT: JAPAN SCIENCE AND TECHNOLOGY CORPORATION
; TITLE OF INVENTION: Replication Vector Showing Cell-Specific Expression
; FILE REFERENCE: K01002PCT
; CURRENT APPLICATION NUMBER: US/10/477,797
; PRIOR FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: JP P2001-143999
; PRIOR FILING DATE: 2001-05-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 333
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Region consist
; OTHER INFORMATION: of human calponin gene promoter and its structural
; OTHER INFORMATION: gene fragment
US-10-477-797-3

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Qy	61	GCAGCTGAGGTTGTGGGGGAGGTGCGCCGCCCTTGGCAGGCCCTTACGCCAATGGAA	120	
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Qy	121	CGGCCCTTGGAGAGACCCGGGTGCGCTCCGAGCTTCAAAACATGTGAGGAGGGAAG	180	
Db	121	CGGCCCTTGGAGAGACCCGGGTGCGCTCCGAGCTTCAAAACATGTGAGGAGGGAAG	180	
Qy	181	TGTGCAGACGGAATTTAGCGCGCTGCGCTCTGTCTTCTCAGCGTCAGTCCGCCACTCCCCC	240	
Db	181	TGTGCAGACGGAATTTAGCGCGCTGCGCTCTGTCTTCTCAGCGTCAGTCCGCCACTCCCCC	240	
Qy	241	GCCAGAGCCCAACCGGCCAGCATGCTCTTGTCTCACTTCAACCGAGGCCCTGCTTACGGGC	300	

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2006, 02:36:12 ; Search time 614.527 Seconds
(without alignments)
2167.823 Million cell updates/sec

Title: US-10-500-173-3
Perfect score: 333
Sequence: 1 gaacaatgacacaatcagc.....taagaacaaggtaggggtgg 333

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 9267905 seqs, 2000278028 residues

Total number of hits satisfying chosen parameters: 18535810

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA.New.*
1: /SID55/ptodata/1/pubpna/US08_NEW_PUB.seq.*
2: /SID55/ptodata/1/pubpna/US06_NEW_PUB.seq.*
3: /SID55/ptodata/1/pubpna/US07_NEW_PUB.seq.*
4: /SID55/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
5: /SID55/ptodata/1/pubpna/US09_NEW_PUB.seq.*
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11: /SID55/ptodata/1/pubpna/US11_NEW_PUB.seq.*
12: /SID55/ptodata/1/pubpna/US11_NEW_PUB.seq.*
13: /SID55/ptodata/1/pubpna/US11_NEW_PUB.seq.*
14: /SID55/ptodata/1/pubpna/US11_NEW_PUB.seq.*
15: /SID55/ptodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	227.8	68.4	1605	14	US-11-000-688-1504
2	141.8	42.6	1504	11	US-11-245-147-194
3	66.2	19.9	1498	11	US-11-136-527-3031
4	44.4	13.4	2271	14	US-11-136-527-2536
5	44.4	13.3	168516	14	US-11-121-086-3
6	40.6	12.2	736	8	US-10-750-185-61962
7	40.6	12.2	736	8	US-10-750-623-61962
8	40.6	12.2	1607	14	US-11-000-688-1008
9	40.2	12.1	1400	9	US-11-136-527-7127
10	36.8	11.1	1084	9	US-10-517-696-82
11	36.8	11.1	1582	11	US-11-050-857-464
12	36.8	11.1	1582	11	US-11-043-806-59
13	36.2	10.9	23187	11	US-11-236-138-1
14	35.8	10.8	627	10	US-10-301-480-239363
15	35.8	10.8	627	10	US-10-301-480-852772
16	35.8	10.8	635	6	US-09-925-065A-144853
17	35.8	10.8	780	10	US-10-301-480-542693
18	35.8	10.8	780	10	US-10-301-480-1156102

C	19	34.8	10.5	13299	14	US-11-124-367A-5011	Sequence 5011, Ap
	20	33.6	10.1	2213	9	US-10-330-773-94	Sequence 94, Appl
	21	33.6	10.1	22855	14	US-11-124-368A-2908	Sequence 2908, Ap
	22	33.6	10.1	26563	9	US-10-330-773-93	Sequence 93, Appl
C	23	33.6	10.1	168516	14	US-11-121-086-3	Sequence 3, Appl
C	24	33.4	10.0	153376	14	US-11-121-086-5	Sequence 5, Appl
C	25	33.4	10.0	172543	14	US-11-121-086-6	Sequence 6, Appl
	26	33.2	10.0	398	11	US-11-116-881A-1686	Sequence 1686, Ap
C	27	33	9.9	1521	14	US-11-136-527-1398	Sequence 1998, Ap
	28	33	9.9	3752	8	US-10-750-185-28772	Sequence 28772, A
	29	33	9.9	3752	8	US-10-750-623-28772	Sequence 28772, A
C	30	32.8	9.8	614	6	US-09-925-065A-780929	Sequence 780929, A
	31	32.8	9.8	656	14	US-11-136-527-1651	Sequence 1651, Ap
C	32	32.8	9.8	656	14	US-11-136-527-1651	Sequence 5747, Ap
C	33	32.8	9.8	978	10	US-10-301-480-548844	Sequence 548844, A
C	34	32.8	9.8	978	10	US-10-301-480-1162253	Sequence 1162253, A
C	35	32.6	9.8	1380	11	US-11-096-568A-21494	Sequence 21494, A
	36	32.4	9.7	554	6	US-09-925-065A-527354	Sequence 527354, A
C	37	32.4	9.7	2514	14	US-11-052-554A-543	Sequence 543, App
	38	32.4	9.7	3071	14	US-11-136-527-2592	Sequence 2592, Ap
	39	32.4	9.7	98345	14	US-11-112-908-36	Sequence 36, Appl
	40	32.2	9.7	670	6	US-09-925-065A-696624	Sequence 696624, A
C	41	32.2	9.7	1180	8	US-10-750-185-30591	Sequence 30591, A
C	42	32.2	9.7	1180	8	US-10-750-623-30591	Sequence 30591, A
C	43	32.2	9.7	3939	8	US-10-500-709-1	Sequence 1, Appl
	44	31.8	9.5	583	6	US-09-925-065A-502074	Sequence 502074, A
	45	31.8	9.5	1924	7	US-10-782-413-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-11-000-688-1504
; Sequence 1504, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: BIRNEAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1433-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; PRIOR FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1504
; LENGTH: 1605
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc feature
; LOCATION: (1)..(1605)
; OTHER INFORMATION: calponin 1, basic, smooth muscle (CNN1) gene.
US-11-000-688-1504

QY	97	GGCAGGCCCTACAGCCCAATGGAACGGCCCTCGAAGAGACCCCGGTGCGCTCCGAGCTT	156
DB	6	GGCAGGCCCTACAGCCCAATGGAACGGCCCTCGAAGAGACCCCGGTGCGCTCCGAGCTT	65
QY	157	CAAAAACATGTGAGGAGGAGAGTGTGCACACCGAATCTCAGCGCTGCTCTCTTC	216
DB	66	CAAAAACATGTGAGGAGGAGAGTGTGCACACCGAATCTCAGCGCTGCTCTCTTC	125
QY	217	AGCGTCAGTGGCGCCACTGCGCCCGCCAGAGACCCACCGGCGAGCATGTCTCTGCTCACT	276

Query Match 68.4%; Score 227.8; DB 14; Length 1605;
Best Local Similarity 99.1%; Pred. No. 1.6e-49;
Matches 229; Conservative 0; Mismatches 2; Indels 0; Gaps 0;